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NORTHWEST LABORATORIES

of Seattle, Incorporated

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Technical Services for: Industry, Commerce, Legal Profession & Insurance Industry



1530 FIRST AVENUE SOUTH

SEATTLE, WASHINGTON 98134

Telephone: (206) 622-0680

Report To: Safe Environment, Inc.

Date: January 20, 1989

Report On: Asbestos Analysis/Bulk Samples

Lab No.: E 46218

SUBMITTED:

Five (5) Bulk Samples/Asbestos Analysis

IDENTIFICATION: Ashgrove Cement, 1/13/89

- #1 - Cyclone @ Burner Bldg.
- #2 - Exhaust Stack @ Burner Bldg.
- #3 - Duct Blanket @ Coal Mill Bldg.
- #4 - Duct Covering @ Coal Mill Bldg.
- #5 - Drying Oven in Lab

ANALYSIS BY POLARIZED LIGHT/DISPERSION STAINING MICROSCOPY:

Sample No.	Asbestos, %	Other Fibrous Materials	Non-Fibrous Materials	Comments
1	<1% Asbestos (none detected)	Fiberglass Synthetic Fibers	Mortar/Plaster	-----
2	<1% Asbestos (none detected)	Fiberglass Synthetic Fibers	Mortar/Plaster	-----
3	<1% Asbestos (none detected)	Fiberglass (woven)	Mortar	-----
4	<1% Asbestos (none detected)	Fiberglass (woven)	Mortar	-----
5	Chrysotile, 40-50 *Total Asbestos: 40-50%	Fiberglass	Mortar	Friable

*Note 1: This Sample Contains Asbestos. Greater than 1% Asbestos = Asbestos Containing Material.

Note 2: Common Asbestos Forms: Chrysotile - Most Common Form; Amosite - Second Most Common Form

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Sam LeBarron

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